

SENIOR WATER TREATMENT PLANT OPERATOR

(Department of Public Works – Water Works)

PURPOSE: The major focus of this position is the overall water treatment process and control which includes chemical systems, filtration systems, pumps, and water quality and process testing. The Senior Water Treatment Plant Operator leads the treatment plant operating team, utilizing plant systems and operating personnel to meet production requirements for drinking water of the high quality and sufficient quantity to meet demands. This position works a rotating shift to provide continuous oversight of the 24/7 operations of the water treatment plants.

ESSENTIAL FUNCTIONS:

- Takes appropriate actions to maintain optimal plant operations in conformance with established criteria, procedures, and regulations.
- Balance considerations of quality and quantity in a complex state of the art drinking water treatment plant to maintain an ample supply of safe drinking water that meets all regulatory and Water Works standards.
- Maintain awareness of all aspects of the treatment process and conduct water quality sampling and testing.
- Determine when filter and chemical feed changes are needed and direct the appropriate changes.
- Interpret laboratory data and determine appropriate action to take.
- Interpret telemetry signals and water quality data to identify and respond to trends or equipment failures.
- Determine validity and importance of alarms, which may relate to electrical, mechanical, computer, or chemical feed equipment.
- Monitor and promote workplace safety. Ensure compliance of crews with mandatory safety monitoring and the application and use of equipment.
- Identify and isolate chemical malfunctions. Rectify hazardous situations in accordance with all safety regulations and procedures. Assess impact on treatment process and take steps to minimize effect on water quality.
- Participate in the development of Standard Operating Procedures. Identify need for new procedures and update of existing procedures.
- Maintain proficiency in performing and interpreting results of chemical analysis for process control parameters, including chlorine residue titration, ozone residual, turbidity, particle counts and pH.
- Maintain proficiency in operation of all equipment at plant. Perform preventive maintenance as required. Assist maintenance staff in diagnosis/trouble-shooting of equipment malfunctions. Utilize computerized maintenance management system (CMMS) for demand maintenance work requests.
- Direct the plant Operating Team's response.
- Perform other related duties as assigned.

Conditions of Employment: *Senior Water Treatment Plant Operators are required to work a rotating shift and are subject to mandatory overtime and emergency call-out overtime assignments at any time.*

Reasonable accommodations requested by qualified individuals with disabilities will be made in accordance with the Americans with Disabilities Act (ADA) of 1990.

MINIMUM REQUIREMENTS:

1. An Associate's Degree in Water Technology or related field from an accredited college and two years of operating or maintenance experience in a drinking water treatment plant.
OR
Four years of operating or maintenance experience in a drinking water treatment plant.
OR
Bachelor's Degree in Engineering, Chemistry, Biology, Conservation, Environmental Science or closely related field from an accredited college or university.
2. Wisconsin Department of Natural Resources Municipal Water Supply Operator (Surface Water) Certification within 6 months of appointment and throughout employment.

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3. Low Pressure Boiler Operators Permit from the City Department of Neighborhood Services PLUS a NIUPLE 5th class license or above -OR- an ASOPE Facility Operating Engineer 3rd class license or above within 6 months of appointment and throughout employment.
4. Valid Wisconsin driver's license at time of application and throughout employment.
5. Medical and physical certification for use of SCBA (Self-Contained Breathing Apparatus).
6. Residence in the City of Milwaukee within six months of appointment and throughout employment.

NOTE: Copies of transcripts should be submitted with application or sent to staffinginfo@milwaukee.gov or the City of Milwaukee, Department of Employee Relations, ATTN: Mr. Carl Nagy, 200 E Wells St, Room 706, Milwaukee, WI 53202 (Student copies are acceptable.).

Note: Equivalent combinations of education and experience may also be considered.

KNOWLEDGE, SKILLS, ABILITIES, AND OTHER CHARACTERISTICS REQUIRED:

- Knowledge of water treatment processes, equipment and treatment chemicals.
- Ability to understand and maintain current knowledge of plant process flow patterns and conditions in various modes of operation.
- Ability to lead the plant's operating team to maintain the plant's operation.
- Ability to exercise good judgment and take decisive action when dealing with emergencies.
- Ability to train and guide other operator's on the crew in plant operations.
- Able to work rotating shifts which include 1st, 2nd and 3rd shifts, weekends and holidays as scheduled.
- Must be able to work overtime as needed to meet the needs of Plant Operations.
- Ability to wear and use SCBA (Self-Contained Breathing Apparatus) and perform a rescue while wearing SCBA.
- Competent in the use of computer related control systems that are required for plant operations.
- Physical capability to climb ladders, handle heavy hose equipment, turn valves, lift up to 50 lbs. and work in confined spaces.

THE CURRENT PAY RANGE (PR 3P) IS: \$47,622.64 to \$67,165.28 annually with excellent benefits.

THE SELECTION PROCESS will be job related and will consist of one or more of the following: education and experience evaluation; written, oral or performance tests; or other assessment methods. The Department of Employee Relations reserves the right to call only the most qualified candidates to oral and performance examinations. Oral examinations may include written exercises. Selection process component weights will be determined by further analysis of the job.

The examination will be held as soon as practical after **MARCH 16, 2012**. Receipt of applications may be discontinued at any time after this date without prior notice. However, recruitment may continue until the needs of the City have been met. Qualified applicants will be notified by mail of the date, time and place of the examination.

APPLICATIONS and further information can be obtained in person or via mail from City of Milwaukee Department of Employee Relations, 200 E Wells St, Room 706, Milwaukee, WI 53202-3554, from www.milwaukee.gov/jobs, or by calling 414.286.3751.